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◇ ◇ ◇ ◇   **MATH 4442/6442: MODERN ALGEBRA II**   ◇ ◇ ◇ ◇  
HOMEWORK SETS AND EXAMS

YONGWEI YAO

2026 SPRING SEMESTER  
GEORGIA STATE UNIVERSITY

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HW Set #01, Solutions	1
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**Note.** There are four (4) problems in each homework set. Math 6442 students need to do all 4 problems while Math 4442 students need to do any three (3) problems out the four. If a Math 4442 student submits all 4 problems, then one of the lowest score(s) is dropped. There is a bonus point for a Math 4442 student doing all 4 problems perfectly.

When solving homework problems, make sure that your arguments and computations are rigorous, accurate, and complete. Present your step-by-step work in your solutions/proofs.

There are three (3) PDF files for the homework sets and exams, one with the problems only, one with hints, and one with solutions. Links are available below.

PROBLEMS

HINTS

SOLUTIONS

Coming soon

PROBLEMS

HINTS

SOLUTIONS